



synchron processor subtask data storage cont

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### The Facilities and Evolution of MVS/ESA. - group of 3 »

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CE Clark - IBM Systems Journal, 1989 - research.ibm.com

... was shipped, many of the **processor** and performance ... increasing the need for additional private **storage**. ... of products to meet its **data processing** requirements ...

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### High speed synchronization of processors using fuzzy barriers - group of 3 »

RZ Gupta, MZ Epstein - International Journal of Parallel Programming, 1990 - Springer

... of a barrier to achieve correct **synchron-** ization ... private copies of i and j for each **subtask**. ... it has been computed by another **processor**, barrier synchronization ...

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### OPERATING SYSTEM PROJECTS FOR UNDERGRADUATES

KR Wadland - portal.acm.org

... handling, process switching, and **synchron-** ization are ... I/O instructions (peripheral **processor** units schedule ... a semaphore FORK - Create a **subtask** EXIT - Destroy ...

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### 1 Einleitung - group of 2 »

D stetig steigende Zunahme - manuals.fujitsu-siemens.com

... version>.D, LINE-SPACING=\*BY-EBCDIC-CONTROL ... Warten auf ↓ Operating ↓ -----

CPU-Zeit ↓ --- IO ... TSDUs (Transport Service Data Units; Aufträge an ...

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### How to Write Parallel Programs: A Guide to the Perplexed - group of 5 »

N CARRIER, D GELERNTER - ACM Computing Surveys, 1989 - portal.acm.org

... for effect: a real-time monitor-and-**control** program or an ... applied to all elements of some **data struc-** ture not merely concurrently but **synchron-** ously: At ...

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### 1 Einführung

S Mit - manuals.fujitsu-siemens.com

... einem Standarddrucker mit folgendem Kommando ausdrucken: /PRINT-DOCUMENT

dateiname,LINE-SPACING=\*BY-EBCDIC-CONTROL Page 4. 4 U23166-J-Z125-3 Darstellungsmittel ...

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**Synchronization Protocols in Distributed Real-Time Systems** - group [All articles](#) [Recent articles](#) of 6 »

J Sun, J Liu - Urbana - doi.ieeecomputersociety.org

... parameters that influence the performance of **synchron-** ization protocols ... The utilization of the **subtask** is equal to the total **processor** utilization times ...

Cited by 46 - Web Search - BL Direct

**Fixed-Priority End-to-End Scheduling in Distributed Real-Time Systems** - group of 6 »

J Sun - Urbana-Champaign, USA: University of Illinois, 1997 - historical.ncstrl.org

... 131 9.1 General **Subtask** Precedence Constraints : : : : 131 9.1.1 Multiple

Adjacent Subtasks Execute on the Same Processor ...

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[PS] **Appeared in the Proceedings of 16th International Conference on Distributed Computing Systems, May, ...** - group of 2 »

J Sun, J Liu - Urbana - junsun.net

... first checks whether time C is later than or equal to ( t + R<sub>i;j</sub> ). If it is, the scheduler sends a synchronization signal to the **processor** where **subtask** ...

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**Empirical quantification of pessimism in state-of-the-art scheduling theory techniques for periodic ...** - group of 6 »

GH Thaker, PJ Lardieri, DK Krecker, M Price - Real-Time and Embedded Technology and Applications Symposium ..., 2004 - ieeexplore.ieee.org

... Period) Number of Processors 24 **Processor** Loading Monotonically ... of 1% (achieved by scaling **Subtask** Worst-Case ... Experiment Designator **Synchron-** ization Protocol ...

Cited by 2 - Web Search

[BOOK] **Fast barrier synchronization hardware**

CJ Beckmann, CD Polychronopoulos - 1990 - IEEE Computer Society Press Los Alamitos, CA, USA

... EuLent) **subtask** independently. By the induction ... Each **processor** provides a %Wq- .bit ID field for designating the barrier register currently being used. 8.3. ...

Cited by 24 - Web Search - Library Search

**High speed synchronization of processors using fuzzy barriers** - group of 3 »

RZ Gupta, MZ Epstein - International Journal of Parallel Programming, 1990 - Springer

... identity of a barrier to achieve correct **synchron-** ization. ... it is clear that in a **N processor** system which ... creating private copies of i and j for each **subtask**. ...

Cited by 4 - Web Search

**Second NASA Formal Methods Workshop 1992**

V Hampton - ntrs.nasa.gov

Page 1. NASA Conference Publication 10110 Second NASA Formal Methods Workshop 1992

p,-cO o\_ i 0;, N " \_ P,j u\_ ..4 c\_ , -4 R t 2:1"- Z I Z\_ Z O0" ...

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**OPERATING SYSTEM PROJECTS FOR UNDERGRADUATES**

KR Wadland - portal.acm.org

... handling, process switching, and **synchron-** ization are ... I/O instructions (peripheral **processor** units schedule ... a semaphore FORK - Create a **subtask** EXIT - Destroy ...  
Cited by 4 - Web Search

Parameterized algorithm decomposition and performance analysis - group of 3 »

GJ Harkin - Supercomputing'90. Proceedings of, 1990 - ieeexplore.ieee.org

... of resource sharing, interaction with the operating system and **external processor**  
demands cause ... Figure 2. Two **Subtask** Replacement Sets This approach allows the ...  
Cited by 1 - Web Search

An object-based query evaluation scheme for deductive databases inmassively parallel computing ... - group of 3 »

WS Lee, PC Sheu - Data Engineering, 1989. Proceedings. Fifth International ..., 1989 - ieeexplore.ieee.org

... For example, in the DBM algorithm a join **processor** is a **processor array**. ... cooperates  
with other processing units in order to complete its own **subtask** by sending ...  
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## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14	(sequence adj number) with (\$3task or \$3command or \$3request or \$3job or \$3transaction) same (\$5processor or cpu) same queue	USPAT	AND	ON	2006/06/02 11:55
L2	20	("20020049776"   "20020103943"   "5870537"   "5901327"   "6044444"   "6052797"   "6073209"   "6088740"   "6141701"   "6157991"   "6173377"   "6189079"   "6199074"   "6247099"   "6260124"   "6304881"   "6304980"   "6308284"   "6480970").PN. OR ("6745303").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/06/02 11:44
L3	41	(sequence adj number) same (\$3task or \$3command or \$3request or \$3job or \$3transaction) same (\$5processor or cpu) same ((data adj structure) or queue or stack or list or array or memory) same (pointer or index)	USPAT	AND	ON	2006/06/02 12:31

## EAST Search History

L4	148	("3883847"   "3971927"   "4296476"   "4330833"   "4385363"   "4460958"   "4475174"   "4535320"   "4550368"   "4587610"   "4622545"   "4646061"   "4680700"   "4700175"   "4718024"   "4718091"   "4720871"   "4736440"   "4754491"   "4779223"   "4780761"   "4791598"   "4797850"   "4813056"   "4823286"   "4839826"   "4853696"   "4907182"   "4920426"   "4920480"   "4935821"   "4937774"   "4956771"   "4965722"   "4975976"   "4982343"   "4983958"   "4991112"   "5025482"   "5029122"   "5051840"   "5053985"   "5060242"   "5109333"   "5109336"   "5109496"   "5125042"   "5125085"   "5142380"   "5163103"   "5181183"   "5185661"   "5185694"   "5185856"   "5195050"   "5196946"   "5197021"   "5204830"   "5212559"   "5216516"   "5223926"   "5227789"   "5233348"   "5237655"   "5241222"   "5243414"   "5249146"   "5253053"   "5253078"   "5254991"   "5258941"   "5262968"   "5268769"   "5270832"   "5283866"   "5299027"   "5303058"   "5303349"   "5307451"   "5313577"   "5317717"   "5321806"   "5325092"   "5325215"   "5333297"   "5337319"   "5341318"   "5349348"   "5349651"   "5351067"   "5371860"   "5379394"   "5388216"   "5392038"   "5394515"   "5414666"   "5428356"   "5436734"   "5440404"   "5446854"   "5450557"   "5453786"   "5467088"   "5479527"   "5481487"   "5483475"   "5485557"   "5485568"   "5485589"   "5502804"   "5502824"   "5504842"   "5504912"   "5506944"   "5509115"   "5509137"   "5513335"   "5515296"   "5524075"   "5528238"   "5528628"   "5528764"   "5530823"   "5530944"   "5535291").PN. OR ("5539865"   "5544290"   "5544342"   "5557733"   "5561761"   "5561772"   "5699460"   "5778414").PN. OR ("6237079"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/06/02 12:02
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## EAST Search History

L5	85	(dual with (cpu or processor)) same ((storage or drive or disk) adj3 controller)	USPAT	AND	ON	2006/06/02 12:37
L6	136	(second adj3 (cpu or processor)) same ((storage or drive or disk) adj3 controller)	USPAT	AND	ON	2006/06/02 12:54
L7	0	(714/11.ccls. and 714/6.ccls.)	USPAT	AND	ON	2006/06/02 12:38
L8	51	(714/11.ccls. and 714/6.ccls.)	USPAT	AND	ON	2006/06/02 12:38
L9	56	(second adj3 (cpu or processor)) same (storage adj3 controller)	USPAT	AND	ON	2006/06/02 12:54
L10	1	("6996691").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/02 13:55
L11	0	( ((sub adj job) or (sub adj task)) with (sequence adj number) )	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/06/02 13:56
L12	0	( ((sub adj job) or (sub adj task)) same (sequence adj number) )	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/06/02 14:47
L13	426	( (job or task) with (sequence adj number) )	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/06/02 14:10
L14	647	(718/107).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/02 14:07
L15	26	I14 and (sequence adj number)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/06/02 14:10
L16	3	( ((subjob) or (subtask)) same (sequence adj number) )	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/06/02 14:51
L17	10	(synchroni\$5 with (job or task)) same (storage with (controller or manager))	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/06/02 14:58
L18	30	((synchroni\$5 with (job or task)) same sequence) and (storage with (controller or manager))	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/06/02 15:43
L19	39	((synchroni\$5 with (job or task)) same sequence) same (cpu or processor)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/06/02 15:44

## EAST Search History

S1	9	"4658351".pn. or "5379428".pn. or "5430850".pn. or "5826081".pn. or "6105056".pn. or "5108689".pn. or "6182120".pn. or "6216127".pn. or "6226641".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/05/30 15:01
S2	2	"20030028580" or "20030066051"	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/05/30 15:02
S3	297	(714/20).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/31 11:44
S4	1790	(714/6).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/30 16:42
S5	43	S3 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/05/30 16:42
S6	5	("20020078315"   "5632027"   "5822782"   "6332177"   "6553511").PN. OR ("6671777").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/05/30 16:55
S7	1	( (write adj3 data adj3 task) same subtask same (sequence adj number) same queue)	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/05/31 09:10
S8	21	((sequence adj number) same queue) and ( (primary or first or main) adj3 (storage or disk drive) adj3 (controller or manager)) and ( (second\$4 or backup) adj3 (storage or disk drive) adj3 (controller or manager))	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/05/30 17:18
S9	297	(714/20).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/31 09:10
S10	0	(sequence adj number) and S9 and ( second adj3 (\$5processor or cpu)) and ((primary or first or main) adj3 (storage or disk drive) adj3 (controller or manager)) and ( (second\$4 or backup) adj3 (storage or disk drive) adj3 (controller or manager))	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/05/31 11:56
S11	0	(sequence adj number) and S9 and ( (first and second) adj3 (\$5processor or cpu))	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/05/31 09:11

## EAST Search History

S12	3	((sequence adj number) same queue) and ((plurality or multiple or second or cluster) adj3 (\$5processor or cpu)) and ( (primary or first or main) adj3 (storage or disk or drive) adj3 (controller or manager or node))	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/05/31 12:08
S13	1	(subtask same (sequence adj number)) and (data adj3 (storage or disk or drive) adj3 (controller or manager or node))	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/05/31 12:09
S14	1	((second adj processor) same (sequence adj number)) and (data adj3 (storage or disk or drive) adj3 (controller or manager or node))	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/05/31 12:12
S15	67	(sequence adj number) and ((primary or first or main) adj3 (storage or disk or drive) adj3 (controller or manager or node)) and ((second\$4 or backup) adj3 (storage or disk or drive) adj3 (controller or manager or node))	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/06/01 15:13
S16	49	(sequence same (\$4task or \$4request or \$4command or \$4instruction) same queue) and (((storage or disk or drive) adj3 (controller or manager or node)) same ( (multiple or plurality or many or second or cluster) adj3 (cpu or processor)))	US-PGPUB; USPAT; USOCR; EPO; JPO	AND	ON	2006/06/01 15:21
S17	71	("4007448"   "4099241"   "4351023"   "4371754"   "4381543"   "4468731"   "4527271"   "4675811"   "4680753"   "4718002"   "4733352"   "4751702"   "4823256"   "4849978"   "4958270"   "4958273"   "4959768"   "5124987"   "5148533"   "5155845"   "5161214"   "5201040"   "5201053"   "5274645"   "5280611"   "5293602"   "5313602").PN. OR ("5398331").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/06/01 15:23
S18	44	("5398331").URPN.	USPAT	AND	ON	2006/06/01 15:33
S19	0	(synchroni\$6 adj2 subtask) same sequence	USPAT	AND	ON	2006/06/01 15:34
S20	3	(synchroni\$6 with subtask) same sequence	USPAT	AND	ON	2006/06/01 16:03

## EAST Search History

S21	11	((sequence with subtask) same (write with (command or task or request or operation))) and ((storage or disk or drive) adj3 (controller or manager or node))	USPAT	AND	ON	2006/06/01 16:04
S22	1377	((sequence with (command or task or request or operation)) same (write with (command or task or request or operation))) and ((storage or disk or drive) adj3 (controller or manager or node))	USPAT	AND	ON	2006/06/01 16:06
S23	167	S22 and synchroni\$6 and index and queue	USPAT	AND	ON	2006/06/01 16:06
S24	208	S22 and synchroni\$6 and (index or pointer) and queue	USPAT	AND	ON	2006/06/01 16:06
S25	0	("6996691").URPN.	USPAT	AND	ON	2006/06/02 10:49
S26	27	((multi or plurality or cluster or many or second) adj3 (processor or cpu)) same ((send\$3 or receiv\$4 or issu\$5 or request\$4) with (task or command or request or operation or instruction or directive)) same sequence same queue	USPAT	AND	ON	2006/06/02 11:19
S27	295	((send\$3 or receiv\$4 or issu\$5 or request\$4) with (task or command or request or operation or instruction or directive)) same (sequence adj number) same queue	USPAT	AND	ON	2006/06/02 11:20
S28	11	((send\$3 or receiv\$4 or issu\$5 or request\$4) with (task or command or request or operation or instruction or directive)) same (sequence adj number) same queue same synchr\$6	USPAT	AND	ON	2006/06/02 11:22
S29	0	(sequence adj number) same queue same (synchr\$7 with (cpu or processor))	USPAT	AND	ON	2006/06/02 11:23
S30	18352	(synchr\$7 with (cpu or processor))	USPAT	AND	ON	2006/06/02 11:23
S31	286	(synchr\$7 with (cpu or processor)) same queue	USPAT	AND	ON	2006/06/02 11:23
S32	24	(synchr\$7 with (cpu or processor)) same queue same sequence	USPAT	AND	ON	2006/06/02 11:25
S33	1455	(sequence adj number) with (\$3task or \$3command or \$3request or \$3job)	USPAT	AND	ON	2006/06/02 11:28
S34	178	S33 same (\$5processor or cpu)	USPAT	AND	ON	2006/06/02 11:27
S35	1048	"111" same queue	USPAT	AND	ON	2006/06/02 11:27

## EAST Search History

S36	11	S34 same queue	USPAT	AND	ON	2006/06/02 11:27
S37	47	("3675217"   "3699530"   "3964054"   "4017839"   "4047157"   "4101969"   "4136386"   "4156906"   "4225922"   "4271468"   "4320455").PN. OR ("4425615"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/06/02 11:28